

Product datasheet for **MR227630**

Vcam1 (NM_011693) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vcam1 (NM_011693) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Vcam1
Synonyms:	CD106; Vcam-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR227630 representing NM_011693
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCTGTGAAGATGGTCGCGGTCTTGGGAGCCTCAACGGTACTTTGGATCTGTTGCAGTCTCTCAAG
 CTTTTAAATCGAGATCTCCCTGAATACAAAACGATCGCTCAAATCGGTGACTCCATGGCCCTCACTTG
 CAGCACTACGGGCTGCGAGTCAACATTGTTCTCATGGAGAACCCAGATAGACAGCCCACTAAACGCGAAG
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 TGTGCACAGCAACATGTGGCTCTGGGAAGCTGGAACGAAGTATCCACGTGGACATCTACTCTTCCCAA
 GGATCCAGAGATTCAATTCAGTGGCCCCCTGGAGGTTGGGAAGCCGGTCACAGTCAAGTGTGGTCCA
 GACATTTACCCAGTTTACAGGCTGGAGATTGATCTGTTCAAGGGTACCAGCTCATGAACAGACAGGAGT
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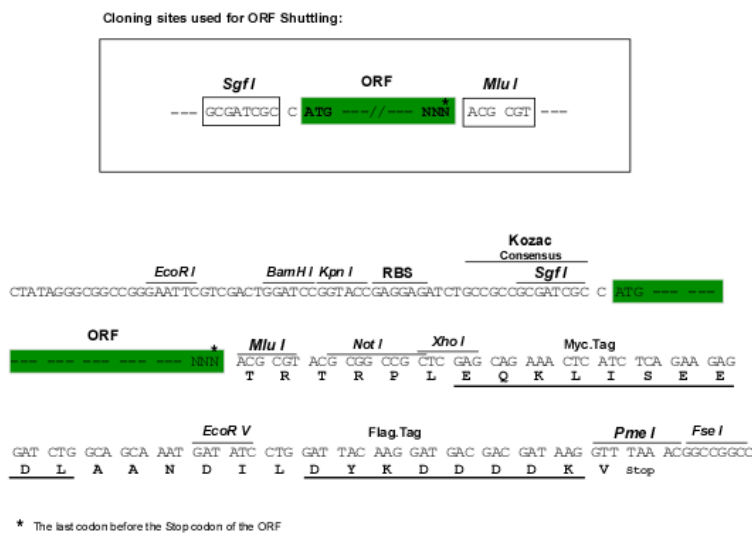
Protein Sequence: >MR227630 representing NM_011693
 Red=Cloning site Green=Tags(s)

MPVKMVAVLGASTVLWILFAVSQAFKIEISPEYKTIAQIGDSMALTCSTTGCESPLFSWRTQIDSPLNAK
 VRTEGSKSVLTMPEVSVFENEHSYLCTATCGSGKLESIHVDIYSFPKDPEIQFSGPLEVGPVTVKCLAP
 DIYPVYRLEIDLFGKQQLMNRQEFSSSEEMTKSLETKSLEVTFPTVIEDIGKALVCRAKLHIDQIDSTLKE
 RETVKELQVYISPRNTTISVHPSTRLQEGGAVTMTCSSEGLPAPEIFWGRKLDNEVLQLLSGNAILTLIA
 MRMEDSGVYVCEGVNLIGRDKAEVELVVQEKPFIVDISPGSQVAAQVGDSSVLTCAAIGCDSPFSWRTQ
 TDSPLNGVVRNEGAKSTLVLSVGFEDHSYLCAVTCLQRTLEKRTQVEVYSPEDPVIKMSGPLVHGRP
 VTVNCTVNPVYFDHLEIELLKGETTLMKKYFLEEMGIKSLETKILETTFIPTIEDTGKSLVCLARLHSG
 EMESEPKQRQSVQPLVYVNPAPKETTIIWVSPSPILEEGSPVNLTCSSDGIPAPKILWSRQLNNGELQPLSE
 NTTLTFMSTKRDDSGIYVCEGINEAGISRKSVELIIQVSPKDIQLTVFPSKSVKEGDTVIIISCTCGNVPE
 TWIILKKAKTGDMVLKSDGYSYIRQAQLQDAGIYECESKTEVGSQRLRSLTLDVKGKEHNKDYFPELL
 ALYCASSLVIPAIGMIVYFARKANMKGSYSLVEAQKSKV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_011693

ORF Size: 2217 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
 3. Close the tube and incubate for 10 minutes at room temperature.
 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_011693.2](#)

RefSeq Size: 3398 bp

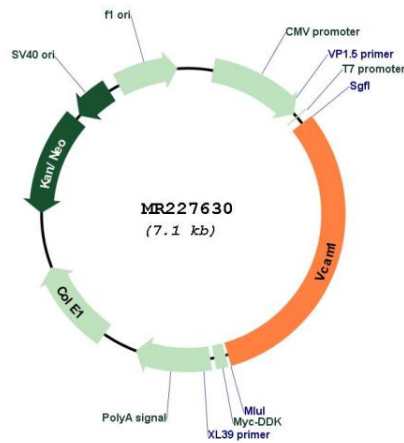
RefSeq ORF: 2220 bp

Locus ID: 22329

Cytogenetics: 3 50.17 cM

MW: 81.8 kDa

Product images:



Circular map for MR227630